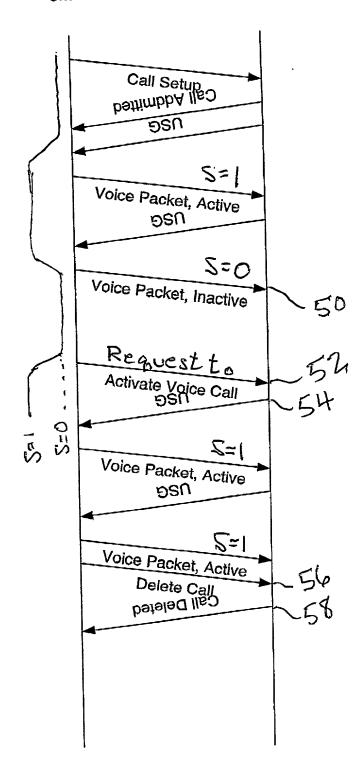


Data Service

FIG.2A



Voice Service

FIG. 2B

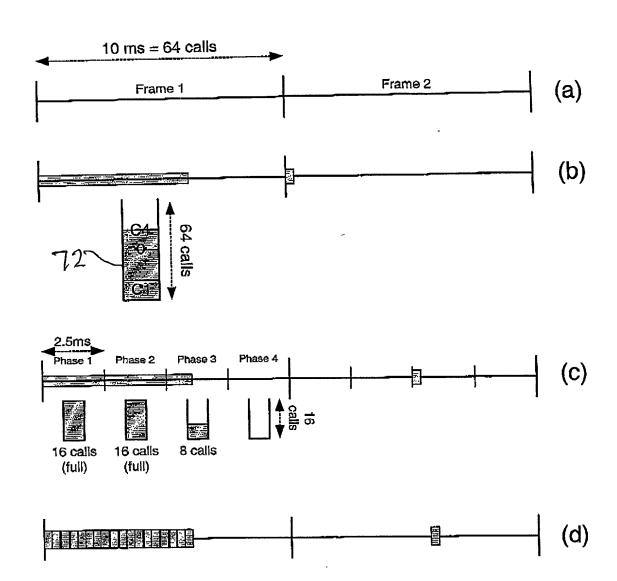


FIG. H

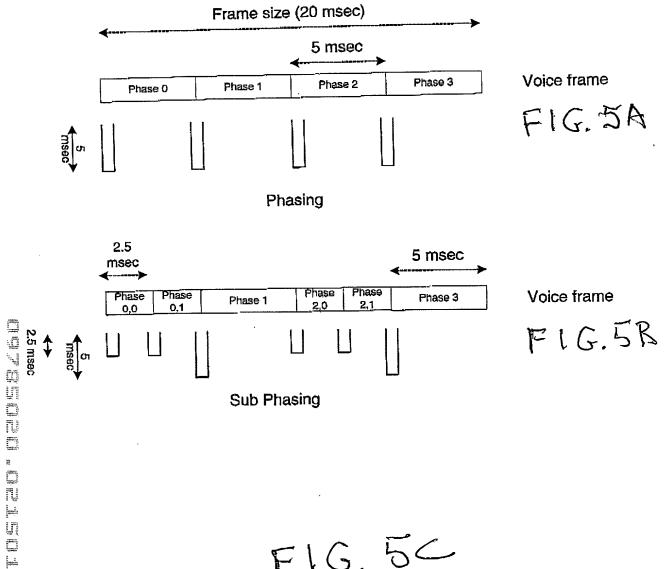
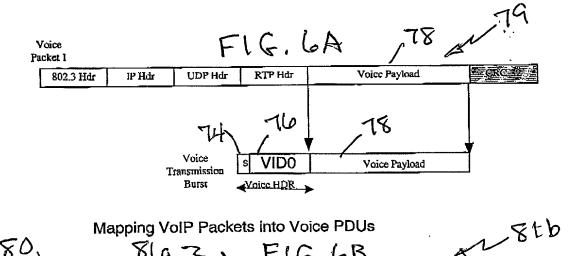


FIG. 5C

```
Call 1: CM1, VID0: 5ms, 16 Kbps = 2 MS (1:0)
Call 2: CM2, VID0: 10ms, 32 Kbps = 4 MS (2:0)
Call 3: CM3, VID0: 20ms, 32 Kbps = 7 MS (3:0)
Call 4: CM4, VID0: 20ms, 32 Kbps = 7 MS (4:0)
Call 5: CM1, VID1: 10ms, 16 Kbps = 3 MS (1:1)
Call 6: CM2, VID1: 10ms, 16 Kbps = 3 MS (2:1)
```



S 1 bi

Voice PDU 10 bytes

VIDO 7 bils

Concatenation of two voice channels of different rates

FIG. 6C

S VID0 Voice PDU S VID1 Voice PDU PB1 PB2
1 7 bits 10 bytes 1 7 bits 20 bytes 2 bytes

VID1 7 bits Voice PDU 20 bytes

Concatenation of voice channels and piggybacking requests

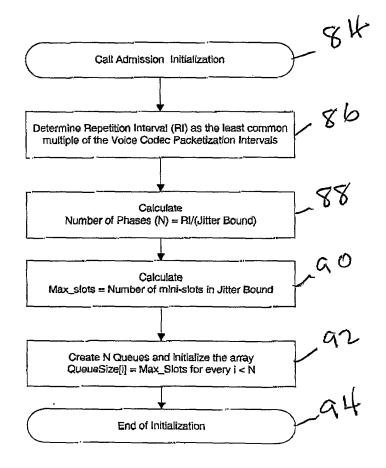
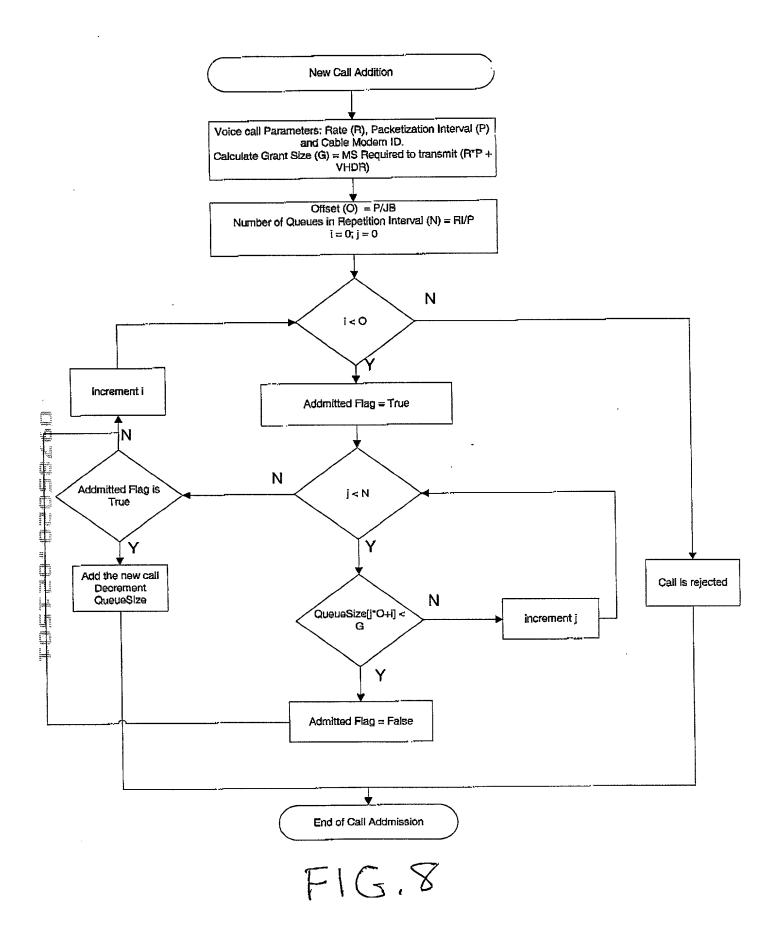
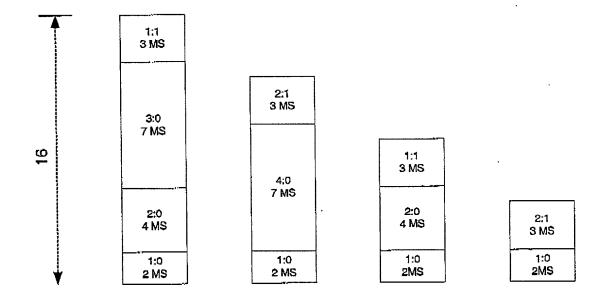


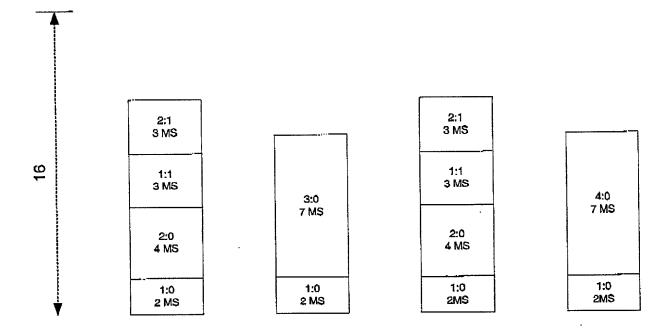
FIG. 7





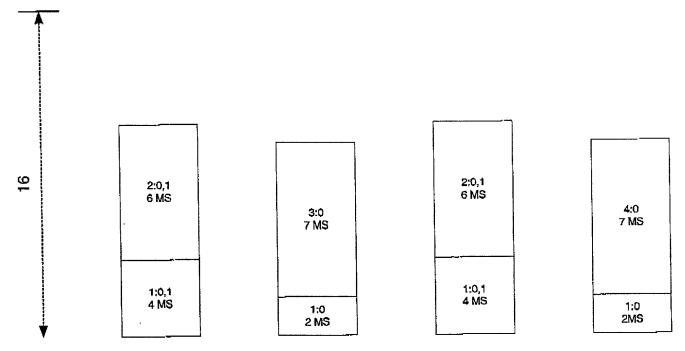
Call Admission: Unbalanced

FIG.9



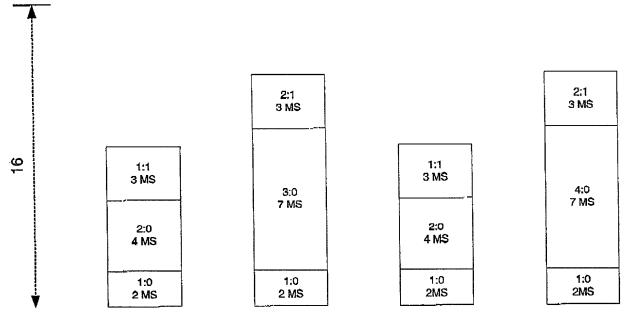
Call Admission: Balanced

FIG,10



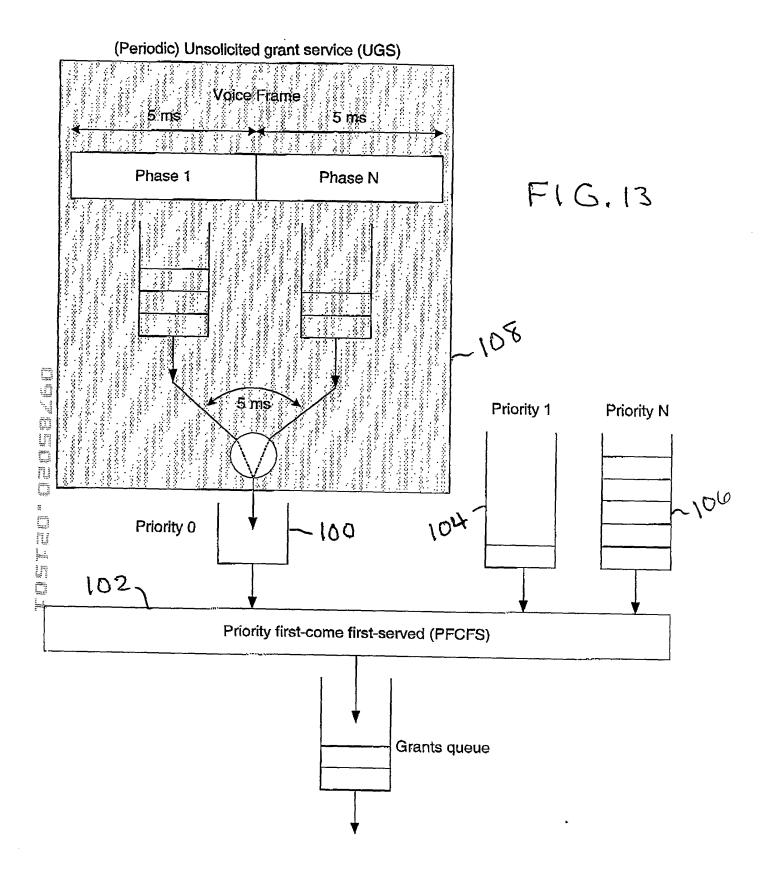
Call Admission: Balanced with Concatenation

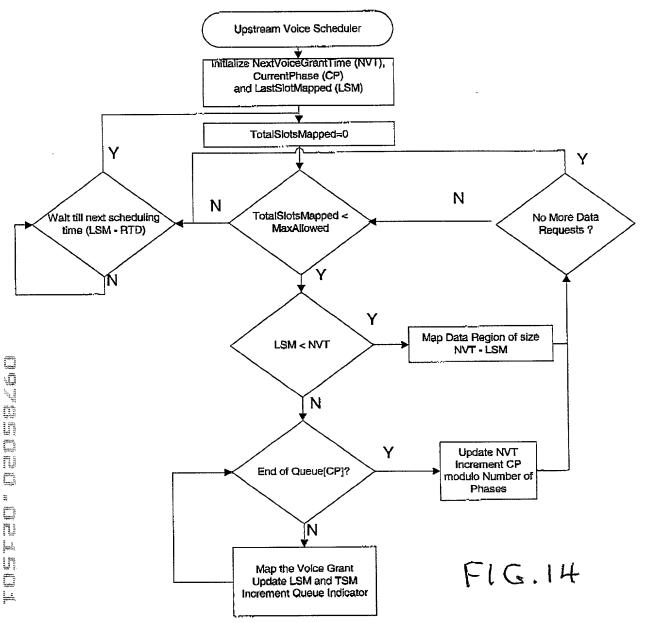
F1 G, 11

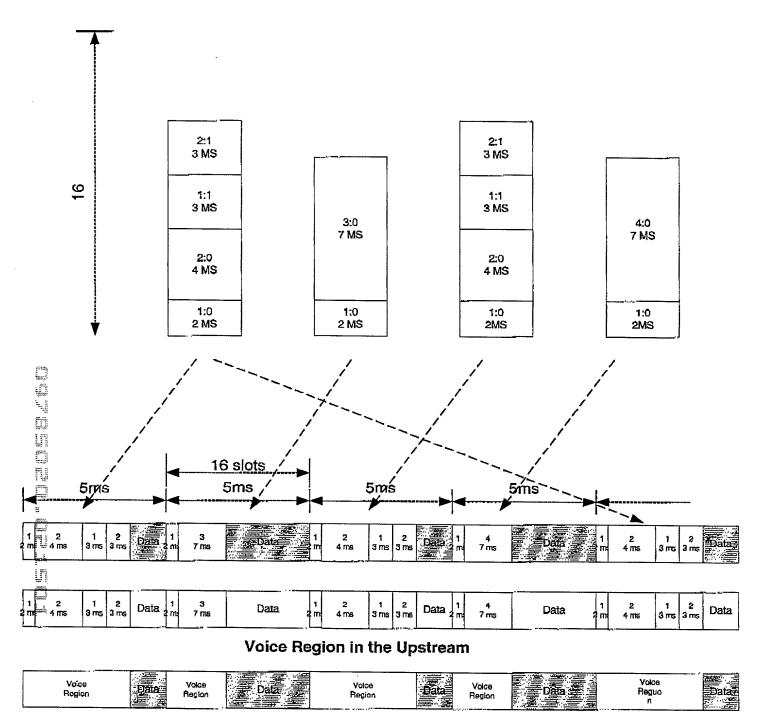


Call Admission: Balanced and Distributed CM Allocation

F1G,12







Data Region in the Upstream

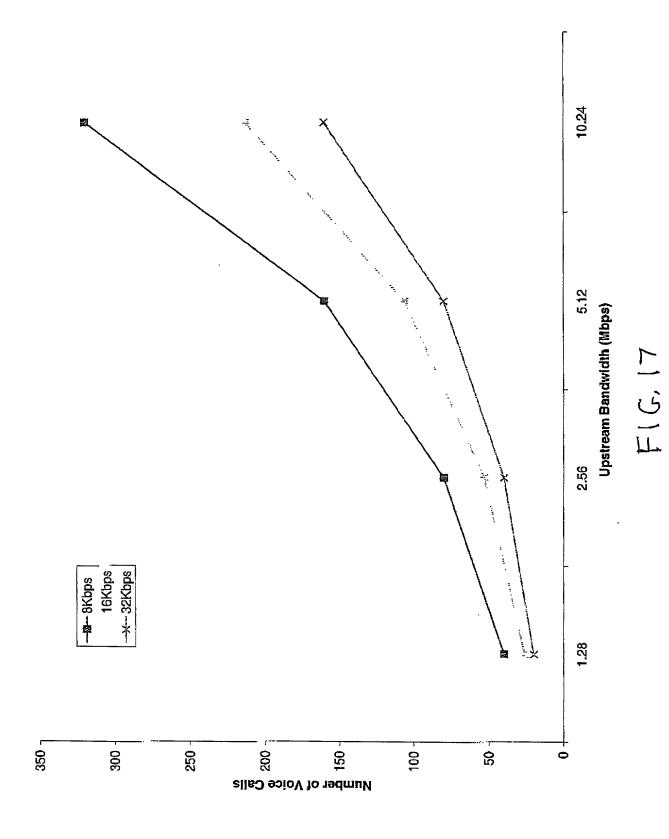
Voice Scheduling: Mapping Voice State into Upstream Grants

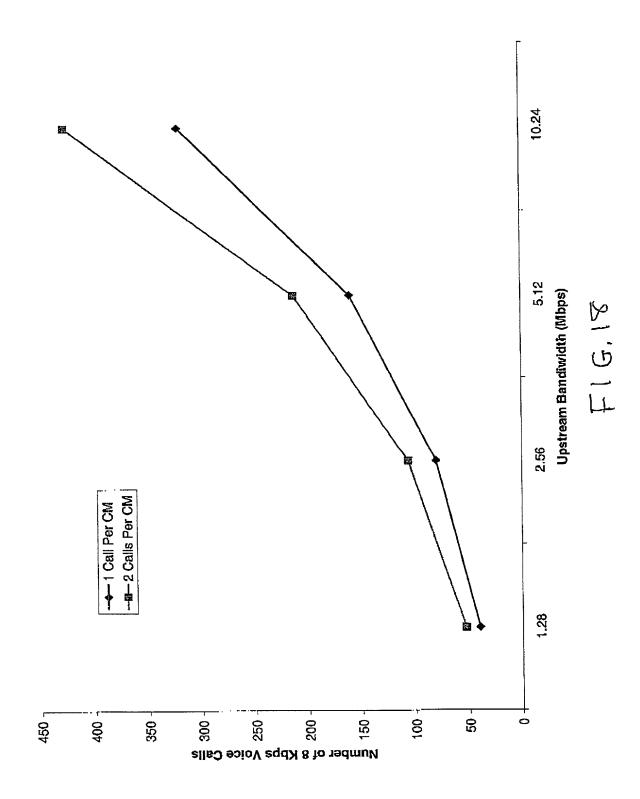
F16.15

Contention mini-slot	phase A	Voice	Voice P4,f2		Karaman Voice		Volce		Voice Packet 3
Pkt 4 Packet 2 Vin Packet 3 Pkt 4	-		P4,f1	<b></b>	Pkt4		Pki 4		
	9 B		f2 Packet 3	entation	t2 Packet 3	Voice Phases	Packet 3	boundaries	Packet 2
	state phase B	Voice	Voice P2 (2.		Voice P2 t2		Voice		Voice
	Voice Frame st		1 pck2, frg 1	(a) Mapping: Strict Fragmentation	Voice	(b) Mapping: Back to Back Voice Phases	Packet 1 Packet 2	(c) Mapping: Floating region	1 Pkt 4
Data Packets Packet 1	phase A	Voice	Voice Packet 1		Pok 2, frg 1	(b) Mappir	Voice Packet	(c) Mappir	Voice Packet 1

(d) Mapping: Fixed region boundaries: best fit (No Fragmentation)

01 511





1200 | 120ES

12467 12467 124M7 OUTPUT

FIG. 19